

Results of contactless and non-invasive analysis: overview

Project:	Digitization / Cataloguing of non-textual objects: Description and Digitization of Precious Book Covers as Independent Works of Art. Project-Period: 01.10.2014 - 30.09.2017		
Shelfmark:	Munich, Bayerische Staatsbibliothek, Clm 14000		
Analytical methods:	X-Ray Fluorescence Spectroscopy (XRF):	p.	2-13
	Raman Spectroscopy (Raman):	p.	14-56

Contact: Institute of Conservation and Restoration (IBR)
of the Bayerische Staatsbibliothek, Munich

XRF-Analysis:

Mapping of measurement points and spectra

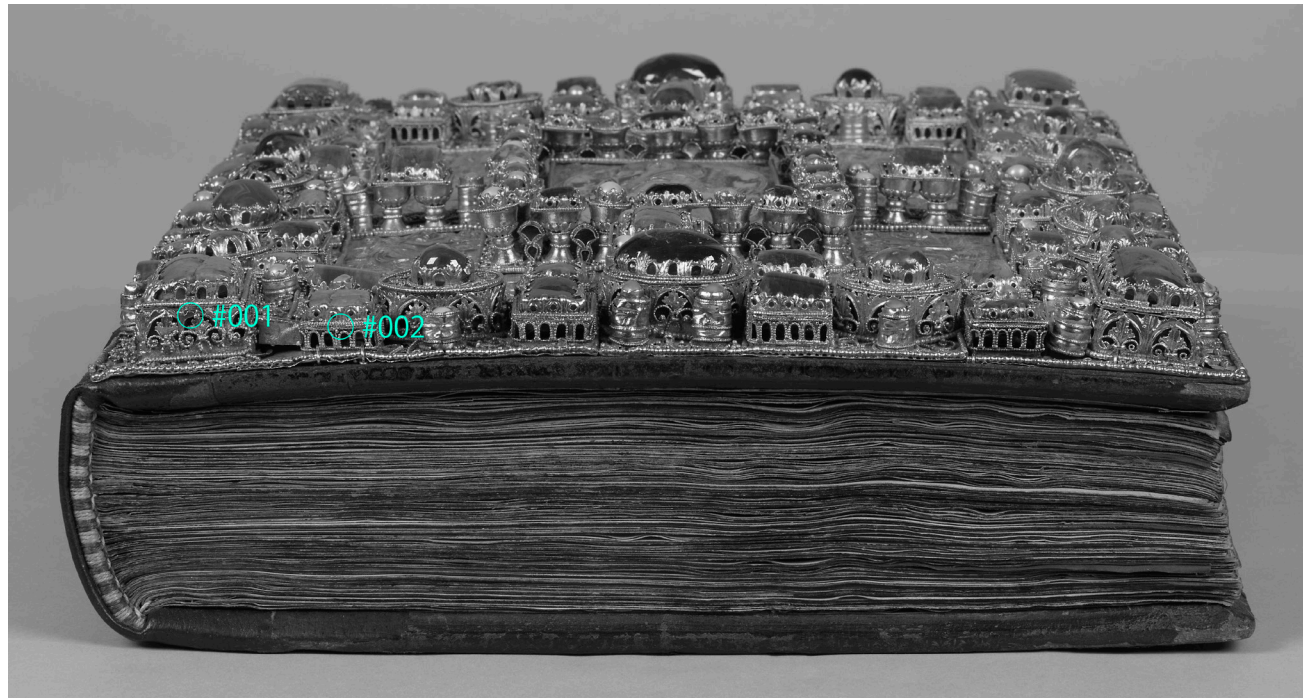
Tail

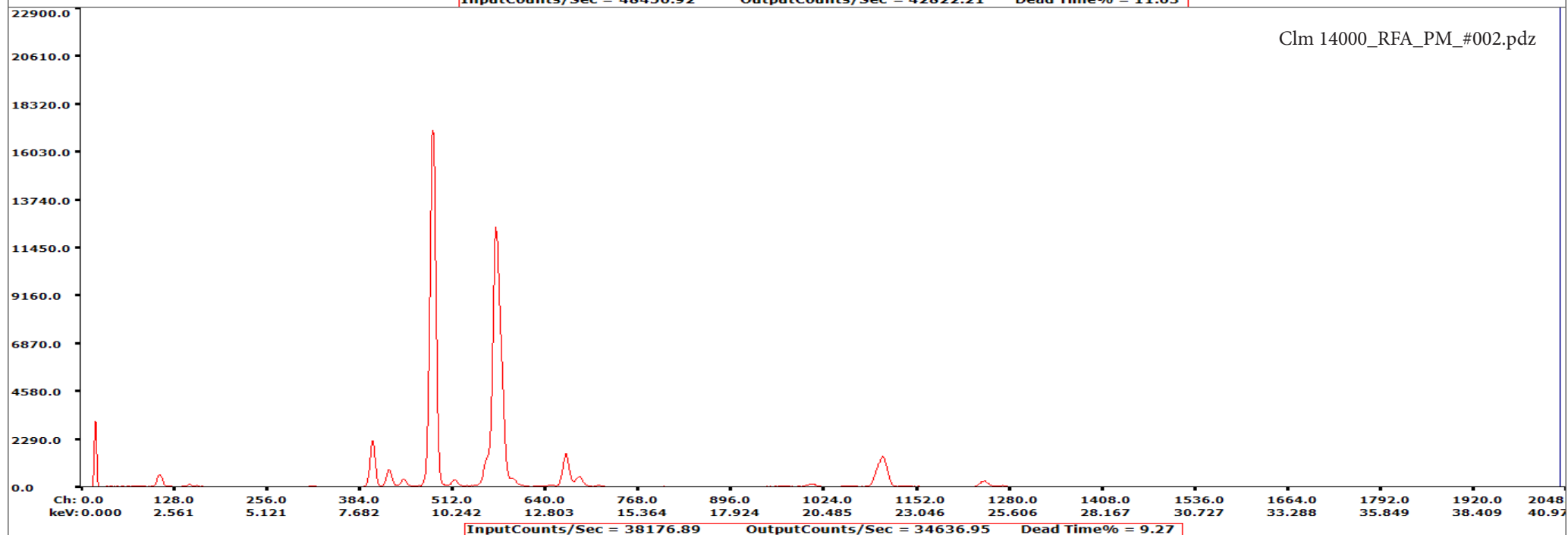
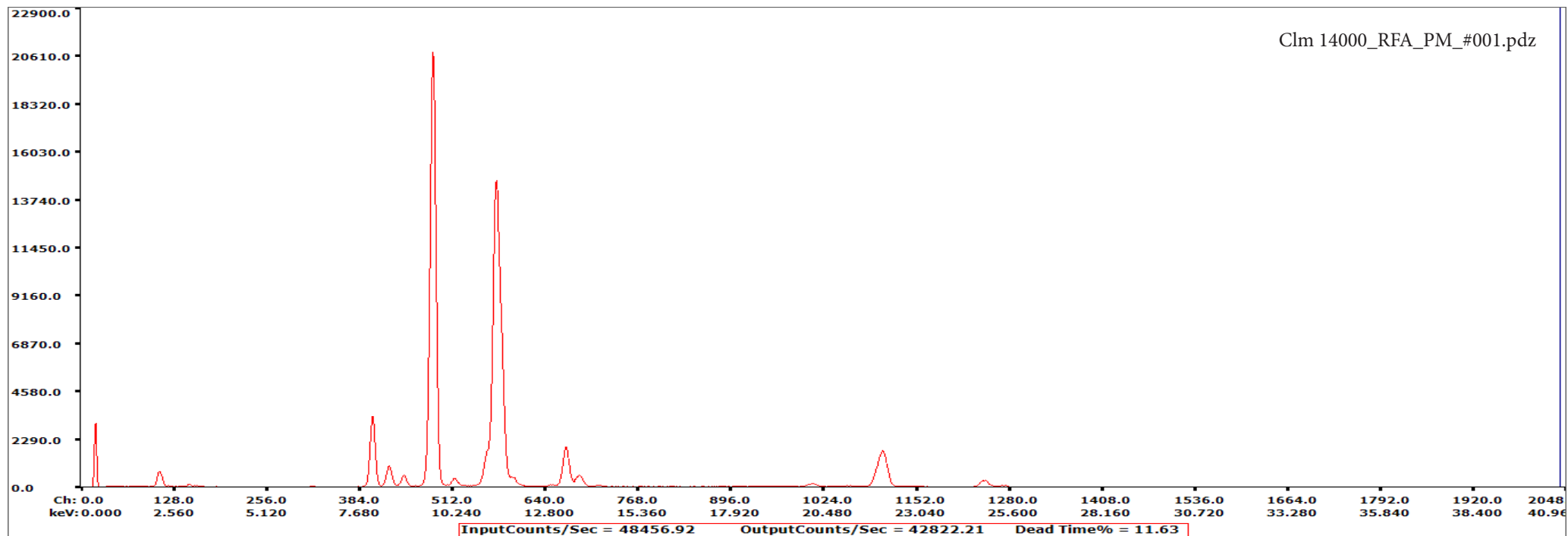
Scanning parameters

Instrument:	Bruker Tracer 5i
Scanning mode:	Precious Metals (PM)
Spot size:	8 mm
Scan duration:	15 s

Spectra:

(filename description: signature_RFA_scanning mode_number of scan.pdz)





XRF-Analysis:

Mapping of measurement points and spectra

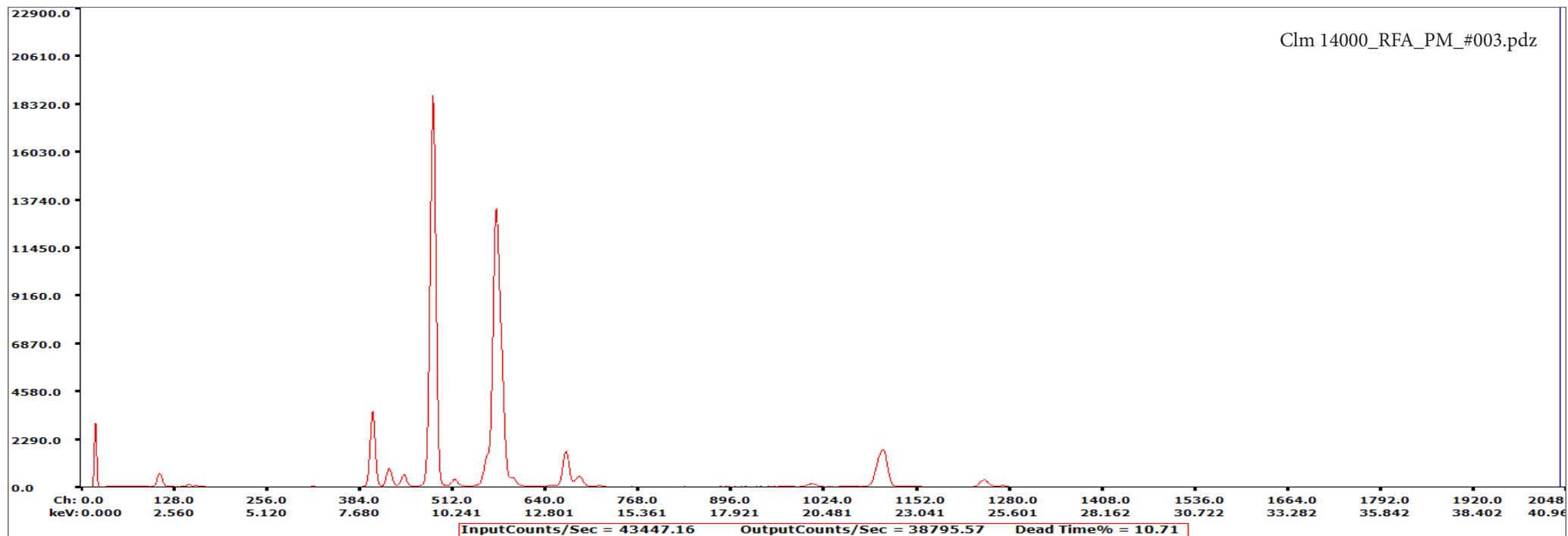
Back

Scanning parameters

Instrument:	Bruker Tracer 5i
Scanning mode:	Precious Metals (PM)
Spot size:	8 mm
Scan duration:	15 s

Spectra:
(filename description: signature_RFA_scanning mode_number of scan.pdz)





XRF-Analysis:

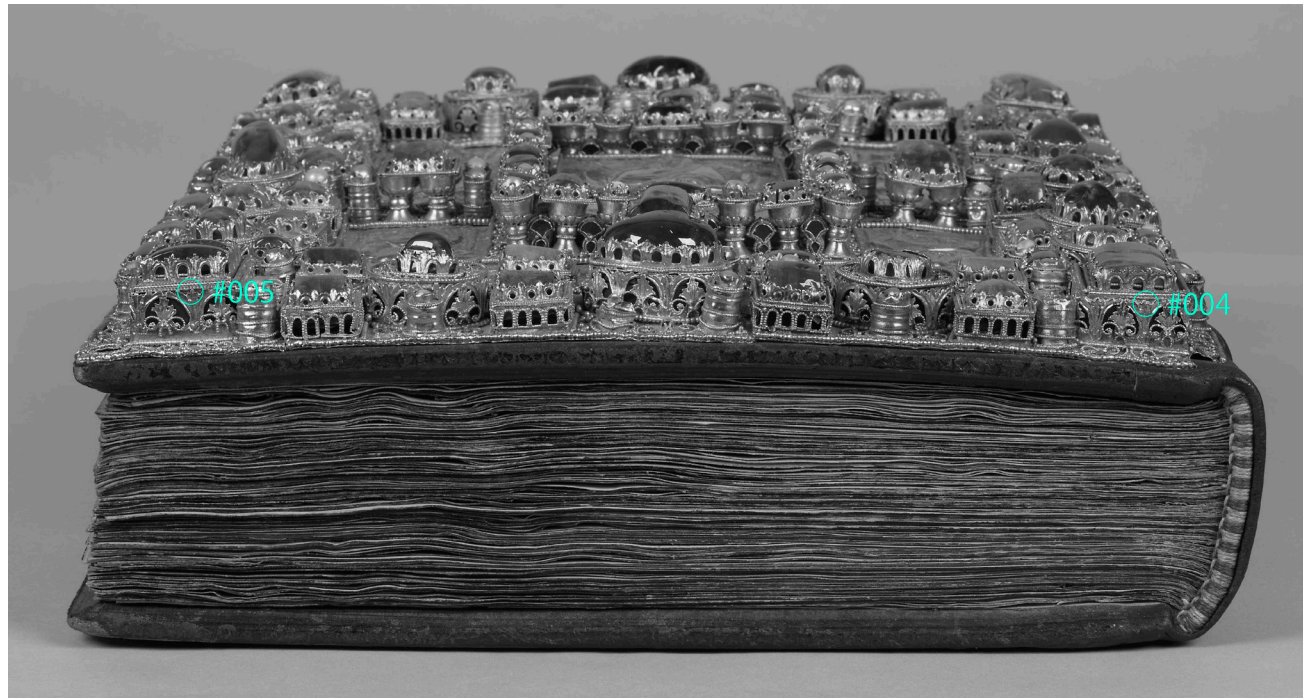
Mapping of measurement points and spectra

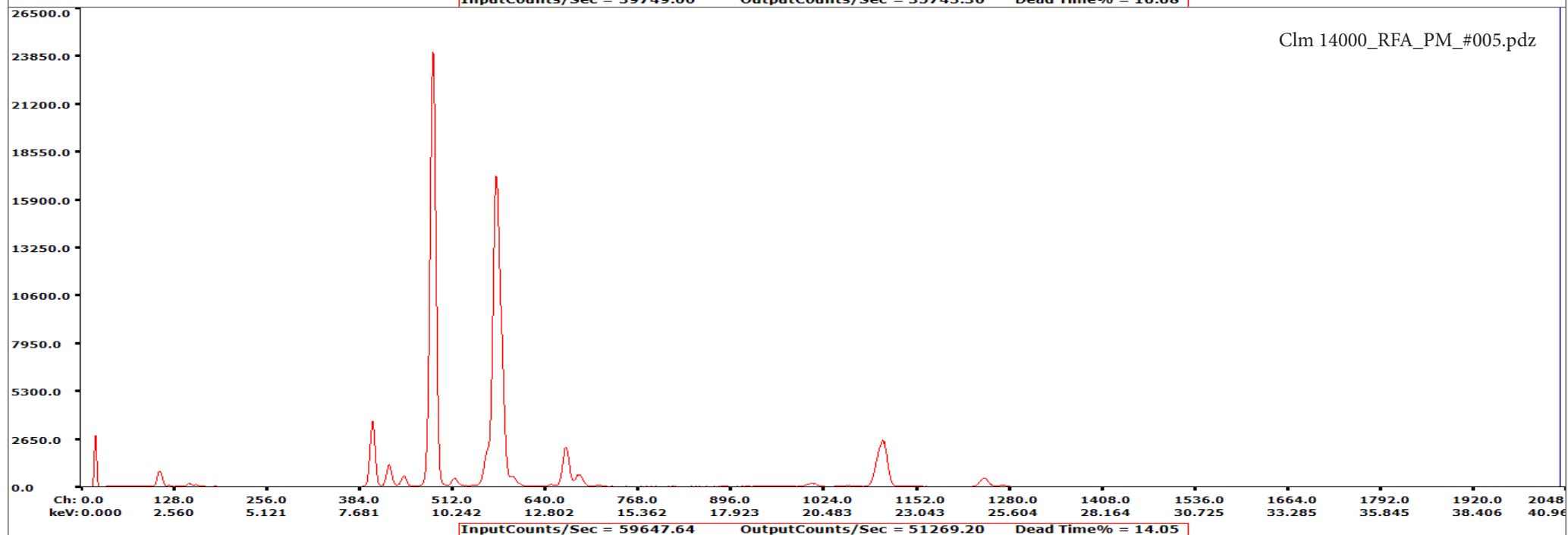
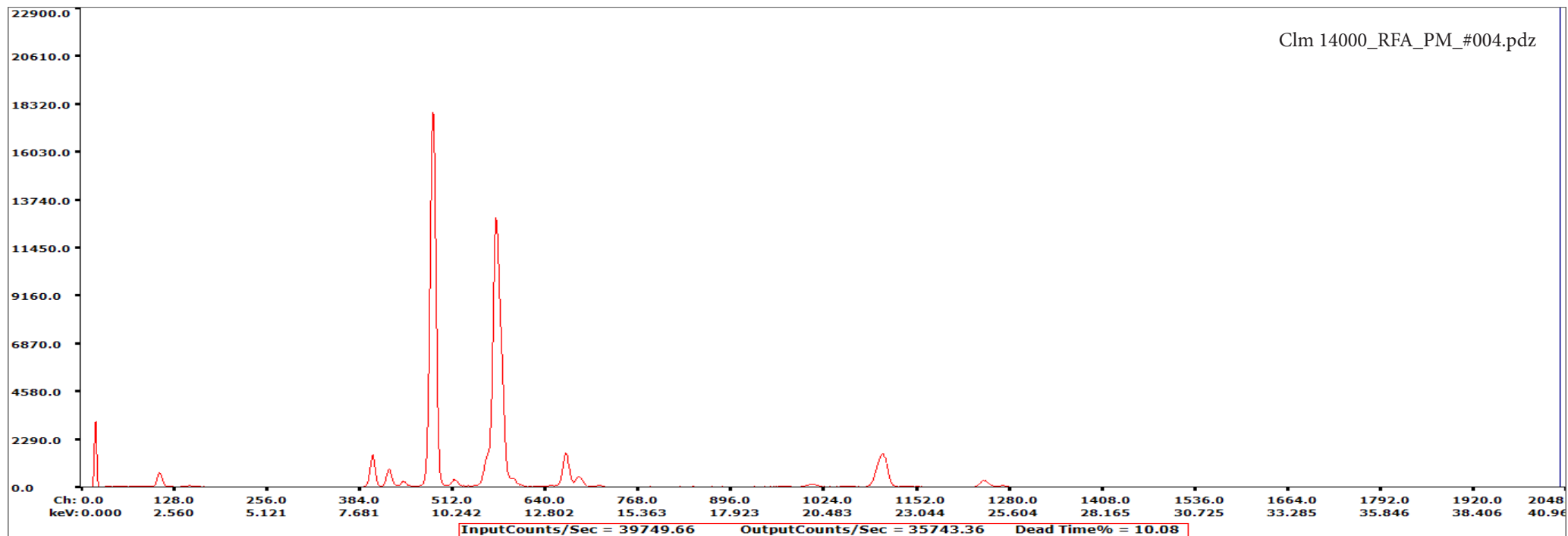
Head

Scanning parameters

Instrument:	Bruker Tracer 5i
Scanning mode:	Precious Metals (PM)
Spot size:	8 mm
Scan duration:	15 s

Spectra:
(filename description: #number of scan.dx)





XRF-Analysis:

Mapping of measurement points and spectra

Fore edge

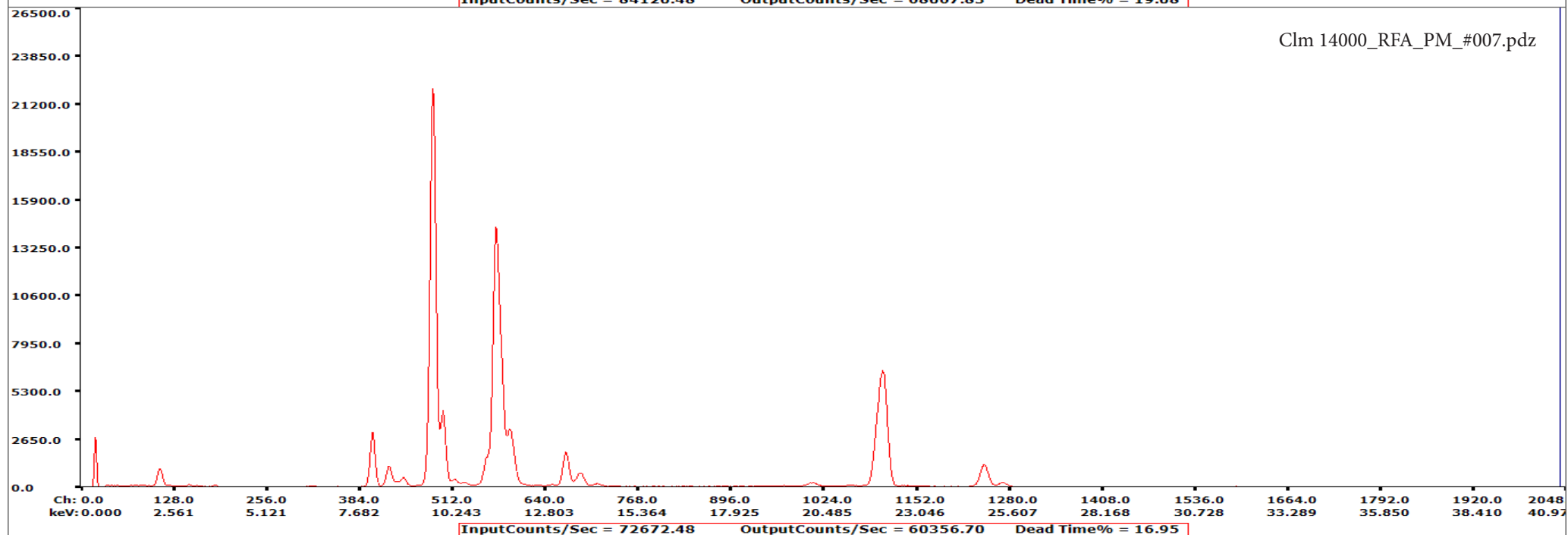
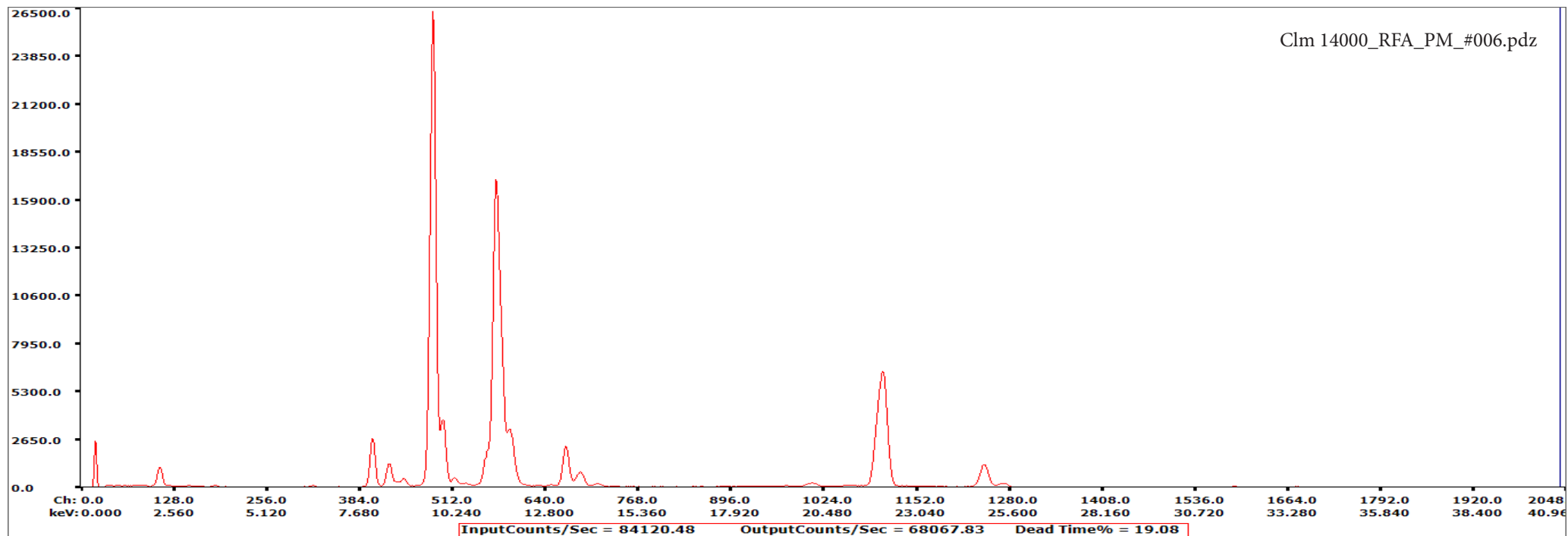
Scanning parameters

Instrument:	Bruker Tracer 5i
Scanning mode:	Precious Metals (PM)
Spot size:	8 mm
Scan duration:	15 s

Spectra:

(filename description: signature_RFA_scanning mode_number of scan.pdz)



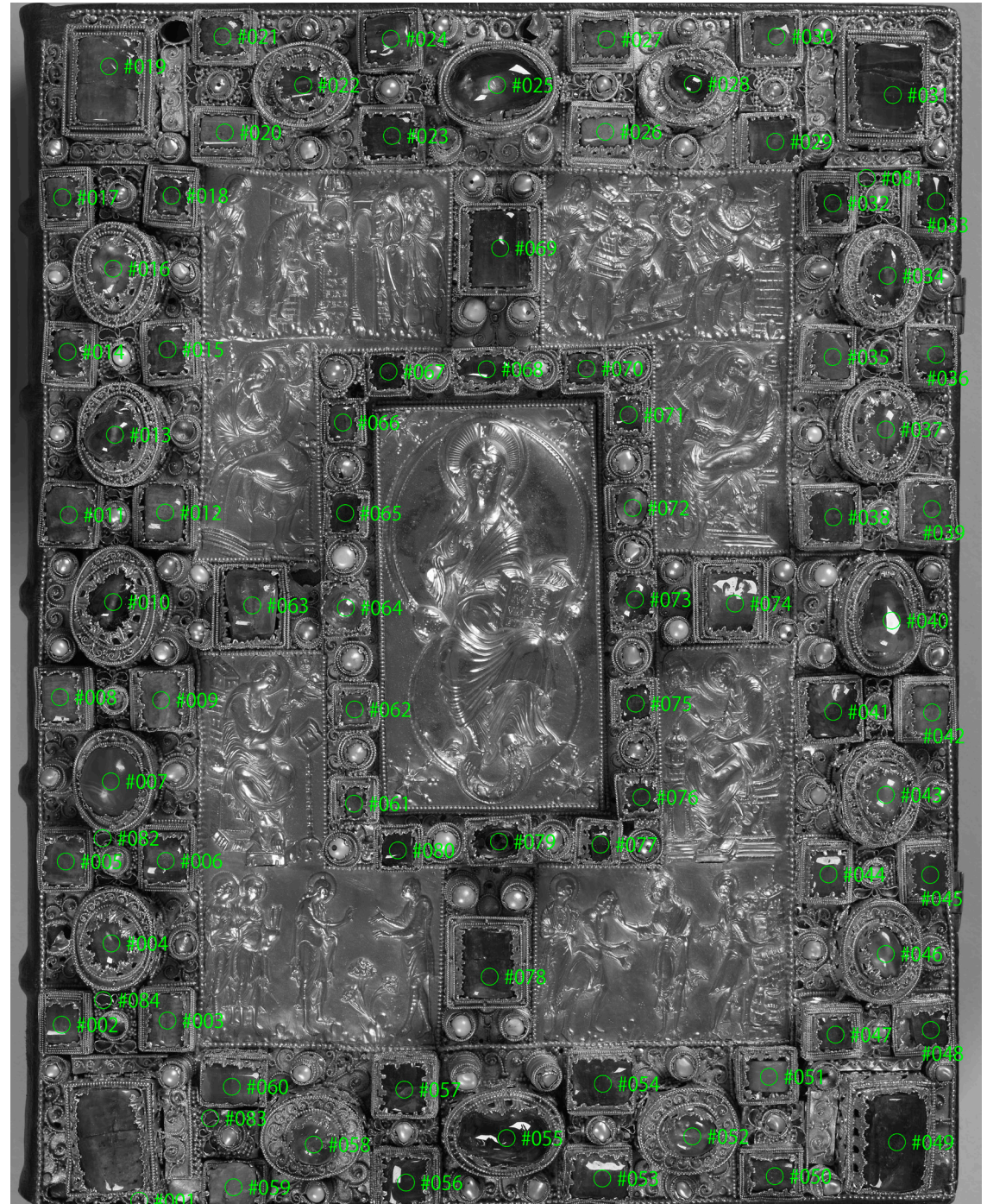


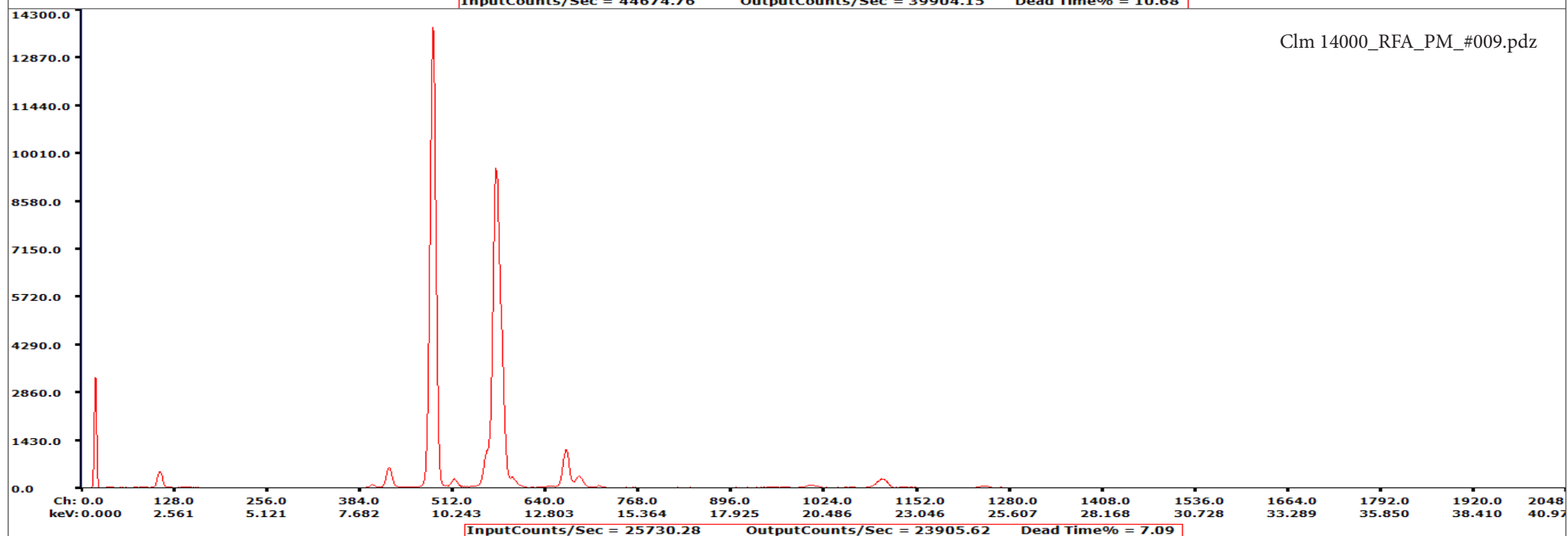
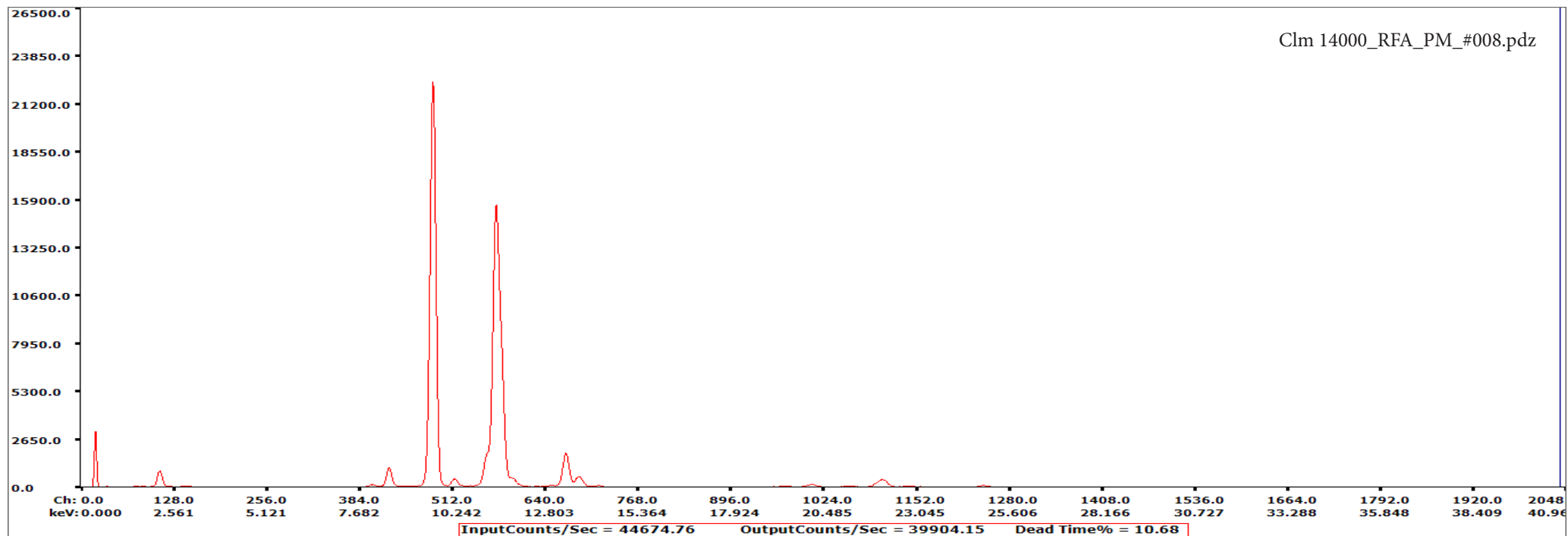
XRF-Analysis: Mapping of measurement points and spectra Front cover

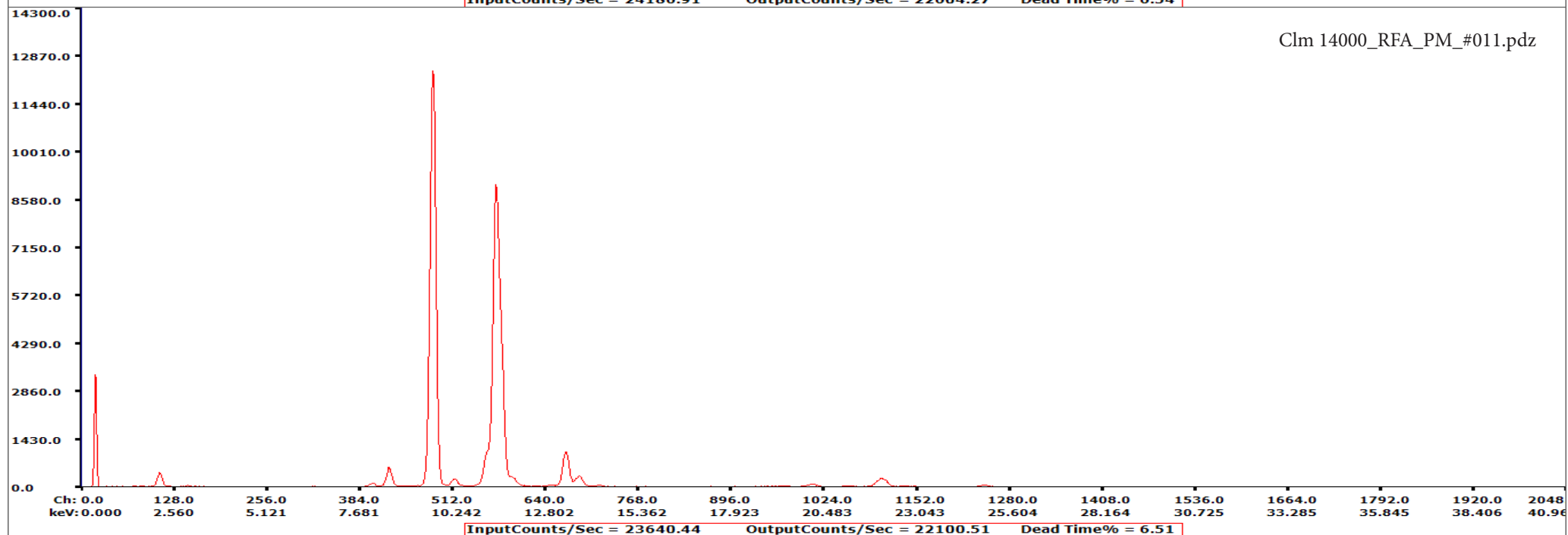
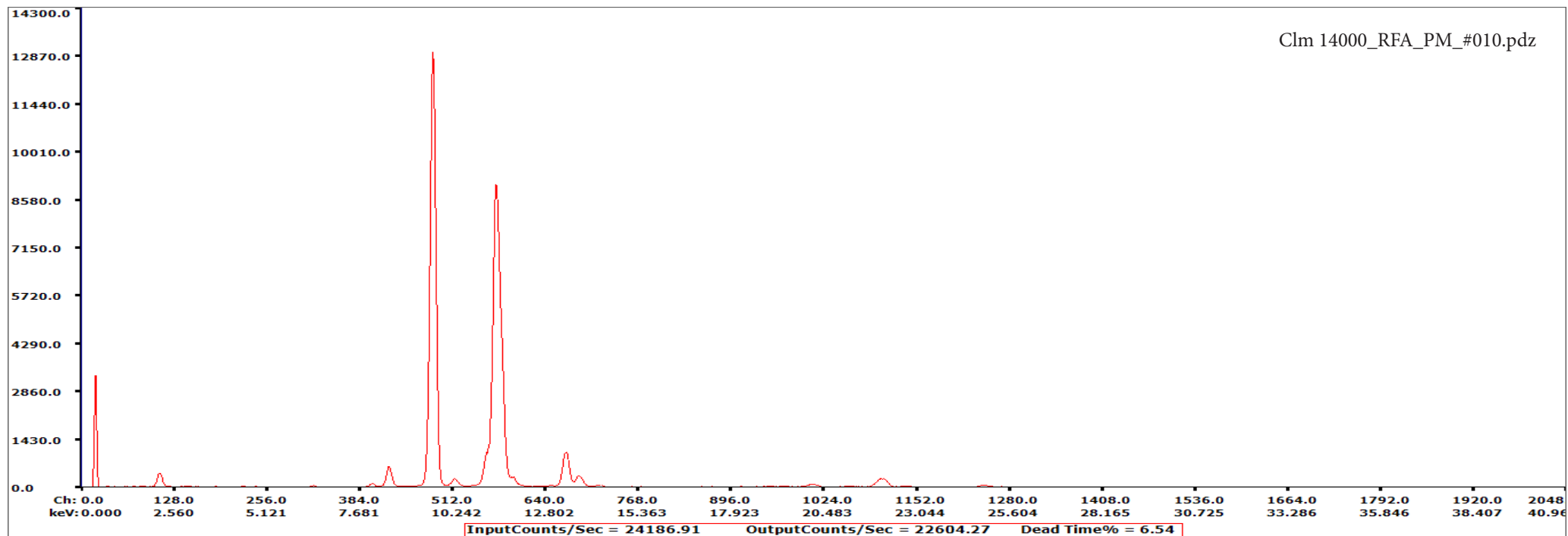
Scanning parameters

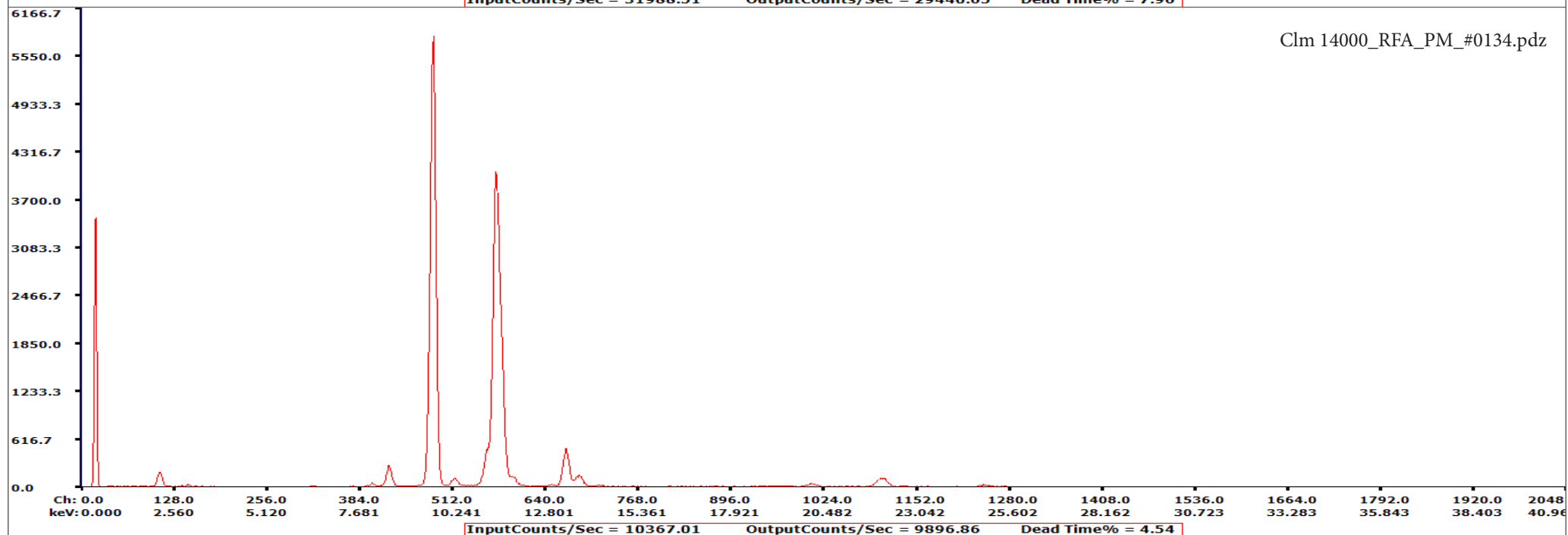
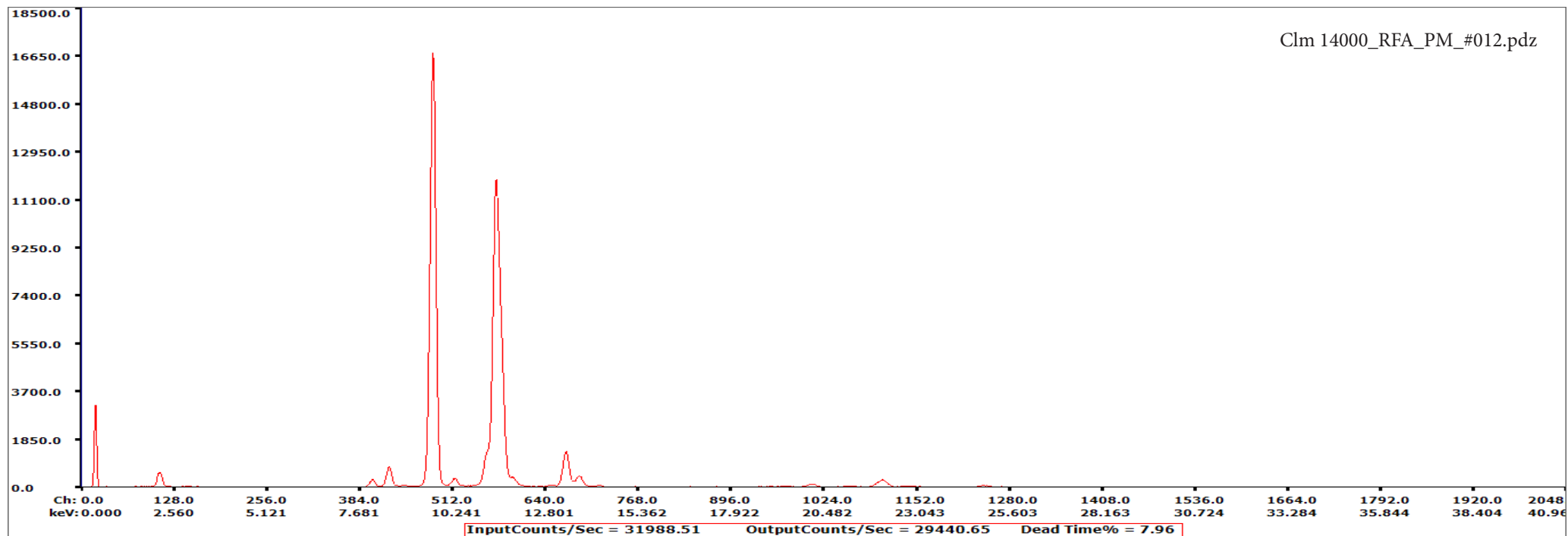
Instrument:	Bruker Tracer 5i
Scanning mode:	Precious Metals (PM)
Spot size:	8 mm
Scan duration:	15 s

Spectra:
(filename description: signature_RFA_scanning mode_number of scan.pdz)









Raman-Analysis: Mapping of measurement points and spectra Front cover

Scanning parameters

Instrument:	Enwave Optronics, ProRaman-L
Scanning mode:	dispersive mode
Laser:	532 nm, max. 50 mW
Spectral resolution:	7 cm^{-1}
Spectral range:	100-3100 cm^{-1}

Spectra:
(filename description: #number of scan.dx)

